

Title (en)

A video camera apparatus having an electronic zoom means.

Title (de)

Videokamera mit elektronischer Zoom.

Title (fr)

Caméra vidéo avec zoom électronique.

Publication

**EP 0608099 A1 19940727 (EN)**

Application

**EP 94300335 A 19940118**

Priority

- JP 855893 A 19930121
- JP 2041993 A 19930208

Abstract (en)

An optical zoom and an electronic zoom can both be smoothly operated in a ganged relation while a zoom speed is maintained. An optical zoom means (1) and electronic zoom means (6A), (6B) are respectively controlled by microcomputers (8A), (8B). In that case, zoom information, such as a zoom magnification, is supplied to the two microcomputers (8A), (8B) via a serial communication, or a zoom magnification of the optical zoom means (1) is constantly supplied to the microcomputer (8B). When the optical zoom means (1) reaches a wide angle lens end or telephoto lens end, a zoom speed thereof is not stopped rapidly but the zoom speed thereof is progressively decreased just before the optical zoom means (1) reaches the wide angle lens end or telephoto lens end and then stopped at the wide angle lens end or telephoto lens end under the control of the microcomputer (8A). When a zooming operation is started, both the electronic zoom means (6A), (6B) do not reach target zoom speeds but progressively increase their zoom speeds to reach the target zoom speeds. <IMAGE>

IPC 1-7

**H04N 5/232**

IPC 8 full level

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CPC (source: EP US)

**H04N 5/2628** (2013.01 - EP US); **H04N 23/60** (2023.01 - EP US); **H04N 23/69** (2023.01 - EP US)

Citation (search report)

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